

## PATENT ABSTRACTS OF JAPAN

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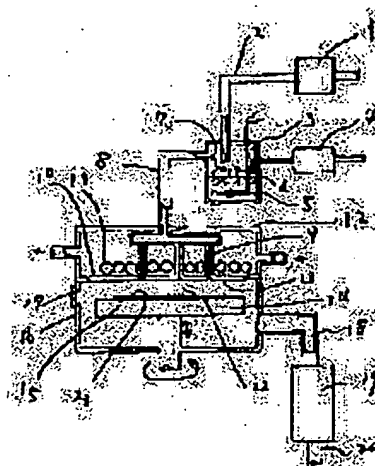
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(54) CLEANING METHOD

(57) Abstract:

PURPOSE: To improve the ashing removal performance of an organic matter such as resist used as a mask for augmenting the throughput by a method wherein steam is sufficiently mixed with the ozone at a specific volume ratio, and the mixture is fed onto the surface of the object to be processed.

CONSTITUTION: The ozone produced by an ozone producer 1 is led in a steam feed vessel 3 through an A-piping 2. This steam feed vessel 3 is fed with pure water or hydrogen peroxide by a constant quantity feeder 4 with a heater A5 built therein to maintain the constant water temperature inside the vessel 3. This steam 6 evaporated from the water in the vessel 3 are carried by the ozone stream 7 is fed to multiple gas feed nozzles 9. At this time, the volume of the steam 6 added to the ozone is specified to exceed about 0.7 times of the ozone volume, and they are sufficiently mixed. Through these procedures, the removing rate can be accelerated up to the level exceeding 120% compared with the case not fed with the steam.



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